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Thomas. This is introduced by a description of methods in this relatively new field. Incidentally there is brought out the applicability of such microscopic studies to secondary deposits, such as the occurrence of the microscopic foraminifera in glacial clays. Twenty-nine species are described and fully illustrated. The chapter on sponges, graptolites and corals of the Lower Silurian formations is by N. H. Winchell and C. Schuchert and embraces descriptions and illustrations of nineteen species. This is followed by a chapter on the Lower Silurian bryzoa by E. O. Ulrich, which is introduced by a discussion of terminology, methods of study, classification and geologic distribution. It embraces descriptions of about 150 species, a large percentage of which are new. Twenty-eight lithographic plates, crowded with figures, are devoted to the illustration of this chapter. The final chapter is devoted to the Lower Silurian brachiopoda of Minnesota by N. H. Winchell and Chas. Schuchert. After a brief introduction upon preservation, distribution and terminology—the latter accompanied by very helpful diagrammatic illustrations—an excellent systematic description is given of the brachiopoda represented in Minnesota, embracing eighty-four forms, amply illustrated. Altogether the volume is a very important addition to the palæontology of the interior. T. C. C.

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